

Examiner's *gy*

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TI Gas-sensing element  
PA NGK Spark Plug Co., Ltd., Japan  
SO Jpn. Kokai Tokkyo Koho, 2 pp.  
CODEN: JKXXAF

DT Patent  
LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 57153253	A2	19820921	JP 1981-38174	19810317
AB	An electrode wire of <b>Pt</b> contg. 1-12% <b>Ni</b> in a solid-soln. state is buried in a metal oxide semiconductor which changes its elec. resistance according to the gas compn. The gas-sensing element has high durability. Thus, <b>TiO2 powder</b> was mixed with <b>Pt powder</b> in a 98:2 mol ratio, blended with an org. resin and placed in a mold. An electrode wire of 98Pt-2Ni (0.3 mm diam.) was inserted. It was fired in N at 1200.degree.. In was installed in the exhaust pipe of a 4-cylinder engine. No C was deposited on it after 100 and 200 h.				